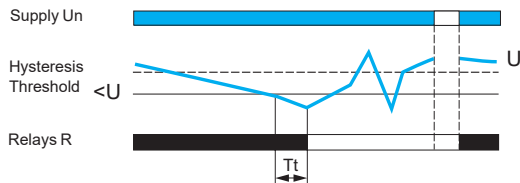


Operating principle (continued)

RM17 UAS14/UAS15/UAS16 (except RM17UAS15315M) (continued)

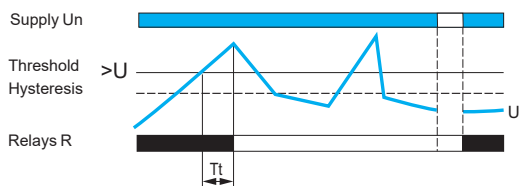
Undervoltage/Overvoltage with memory

□ Undervoltage control $<U$, Memory



If “Memory” mode is selected, the relay opens when crossing of the threshold is detected and then stays in that position. The power needs to be switched off to reset the product.

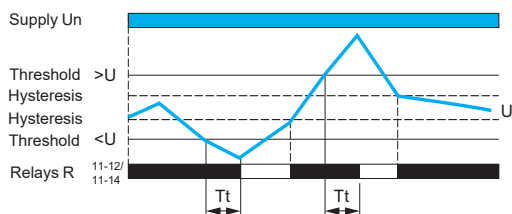
□ Overvoltage control $>U$, Memory



Note: T_t : time delay after crossing of the threshold.

RM17 UBE15/UBE16

Overvoltage + undervoltage control in window mode



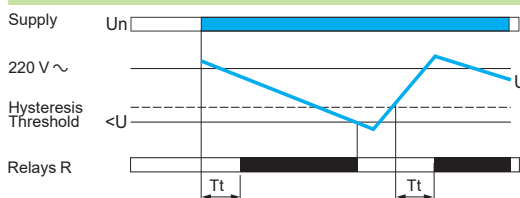
These relays operate in window mode where they check that the controlled voltage stays between a minimum threshold and a maximum threshold.

- The undervoltage or overvoltage threshold values are set by two graduated potentiometers clearly indicating the voltage U_n to be monitored. The hysteresis is fixed at 3% of the threshold setting.
- If the controlled voltage exceeds the high threshold setting, or falls below the low threshold setting for a time greater than that set on the front panel (0.1...10 s), the output relay opens and the R LED goes out. During the time delay, this LED flashes.
- As soon as the voltage falls below the high threshold setting value minus the hysteresis, or rises above the low threshold setting value plus the hysteresis, the relay instantly closes.
- On energization of the device with a detected measured fault, the relay stays open.

Note: T_t : time delay after crossing of the threshold.

RM17UAS15315M

Undervoltage



If the controlled voltage falls below the threshold (165 V $\sim$), the output relay instantly opens and the R LED goes out. As soon as the voltage returns to a value above the threshold plus the hysteresis, the relay closes after the time set on the front panel (3...15 min).

Note: T_t : time delay after crossing of the threshold.

Harmony Control Relays

1-phase voltage control relays

RM17UAS and RM17UBE



RM17UBE16



RM17UBE15



RM17UAS15315M

References

1-phase voltage control relays

Function	Ranges controlled	Time delay	Output	Reference	Weight
	V	s			kg/lb
■ Overvoltage or undervoltage (with/without memory)	9...15 $\overline{\sim}$	Off delay 0.1...10	1 CO 5 A	RM17UAS14	0.080/ 0.176
	20...80 $\overline{\sim}$	Off delay 0.1...10	1 CO 5 A	RM17UAS16	0.080/ 0.176
	65...260 $\overline{\sim}$	Off delay 0.1...10	1 CO 5 A	RM17UAS15	0.080/ 0.176
■ Overvoltage and undervoltage in window mode (without memory)	20...80 $\overline{\sim}$	Off delay 0.1...10	1 CO 5 A	RM17UBE16	0.080/ 0.176
	65...260 $\overline{\sim}$	Off delay 0.1...10	1 CO 5 A	RM17UBE15	0.080/ 0.176

1-phase voltage control relays, 220 V $\sim$ rated supply voltage

Function	Ranges controlled	Time delay	Output	Reference	Weight
	V	min			kg/lb
■ Undervoltage (without memory)	Fixed at 165 $\sim$	On delay 3...15	1 CO 5 A	RM17UAS15315M	0.080/ 0.176